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IN SCIENCE

MBER 33

DECEMBER 15, 1959

507.73
C26868

THE MACHRIS BRAZILIAN EXPEDITION

ORNITHOLOGY: TWO NEW BIRDS

FROM CENTRAL GOIAS, BRAZIL

By KENNETH E. STAGER



CONTRIBUTIONS IN SCIENCE is a series of miscellaneous technical papers in the fields of Biology, Geology and Anthropology, published at irregular intervals by the Los Angeles County Museum. Issues are numbered separately and numbers run consecutively regardless of subject matter. Number 1 was issued January 23, 1957. The series is available to scientists and scientific institutions on an exchange basis. Copies may also be purchased at a nominal price.

The MACHRIS BRAZILIAN EXPEDITION from the Los Angeles County Museum was sponsored by Mr. and Mrs. Maurice A. Machris and Mrs. Maybell Machris Low. It was conducted under the auspices of the Museu Nacional do Brasil. Botanical and zoological collections were made from April through June, 1956, in the region of the headwaters of the Rio Tocantins in the state of Goiás. General accounts and itineraries are given in papers 1 and 2 of this series. Technical type specimens of new entities are deposited in the Museu Nacional in Rio de Janeiro.

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THE MACHRIS BRAZILIAN EXPEDITION

ORNITHOLOGY: Two New Birds from Central Goiás, Brazil

By KENNETH E. STAGER¹

During the study of the birds collected in Central Goiás by the Machris Brazilian Expedition, a spine-tail (Furnariidae) and a motmot (Momotidae) appear to be subspecifically new.

I am grateful to Dr. Dean Amadon of the Department of Birds of the American Museum of Natural History for the opportunity to make use of the vast collections of that institution as well as for the loan of pertinent specimen material needed to complete this particular study. Names of colors are capitalized when direct comparison has been made with Ridgway's "Color Standards and Color Nomenclature."

The two new forms from Central Goiás are described as follows:

Anumbius annumbi machrisi, new subspecies (Figs. 1, 2)

TYPE: From 20 kms. north of São João da Aliança, Goiás, Brazil, No. 33162 Los Angeles County Museum. Adult female, collected April 28, 1956, by Kenneth E. Stager (KES 15804). Holotype to be deposited in the Museu Nacional do Brasil, Rio de Janeiro. Paratypes (2) in the Los Angeles County Museum.

DIAGNOSIS: Similar to *Anumbius a. annumbi* of Southern Brazil and Argentina, but easily distinguishable by the almost complete lack of dark brown spots and striations which outline the light colored throat of individuals of the nominate race. Forehead more uniformly rich chestnut, and dark brown striations of the crown greatly reduced; dark brown streaks of mantle and back also reduced in number.

RANGE: Known only from the type locality on the Chapada dos Veadeiros, an area drained by the Rio Tocantins of the Amazonian network. The subspecies was relatively abundant in this locality.

DESCRIPTION OF TYPE: Forehead Hazel with no dark brown centers to feathers; dark tipped feathers at margin of forehead and loreal area absent; supraorbital stripe Warm Buff; dark brown centers of crown feathers reduced in size and number; throat dull white with border necklace of dark brown spots and striations almost completely absent. Breast and abdomen as in the nominate form. Mantle and back similar in color to that of nominate form, but with the dark-centered feathers reduced in numbers. Rump and tail similar in color to those of nominate form. The light colored tips of rectrices a deeper Buff than shown in specimens from the south. Wing, 81.8 mm.; tail, 88.9 mm.; culmen from base, 20 mm.; exposed culmen, 16.3 mm.; tarsus, 26.1 mm. Holotype and paratypes all in fresh, unworn plumage.

REMARKS: *Anumbius annumbi* (Vieillot) was previously known only from southern Brazil, Uruguay and adjacent parts of Paraguay and Argen-

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tina. It is, therefore, of interest to note that this new subspecies extends the range some 500 miles to the north of the previously recorded boundary of the species.

The subspecific name honors Mr. Maurice A. Machris, co-sponsor of the 1956 Expedition to Goiás, Brazil.

SPECIMENS EXAMINED

Anumbius a. annumbi

Brazil (AMNH)

- Rio Grande do Sul, So. of Victoria, 2 ♂ 2 ♀
- Rio Grande do Sul, Urugaiana, ♀
- Rio Grande do Sul, Vaccaria, 2 ♂ 2 ♀
- Rio Grande do Sul, Santa Isabel, ♂ ♀
- Rio Grande do Sul, W. of Lagoa da Manguerira, 2 ♂ 2 ♀
- Rio Grande do Sul, Candiota, ♂
- Rio Grande do Sul, São Francisco de Paulo, ♀
- Rio Grande do Sul, Quinta, ♀

Paraguay (AMNH)

- Chaco, Mission Vieja, 2 ♂ 1 ♀
- Sapucay, ♂

Argentina (AMNH)

- Buenos Aires, Baracas al Sud, ♂ 2 ♀
- Buenos Aires, Tigre, ♀

Anumbius a. machrissi

Brazil (LACM)

- Goiás, 20 kms. no. of São João da Aliança
- ♂ Paratype (LACM 33161)
- ♀ Holotype (LACM 33162)
- ♀ Paratype (LACM 33163)

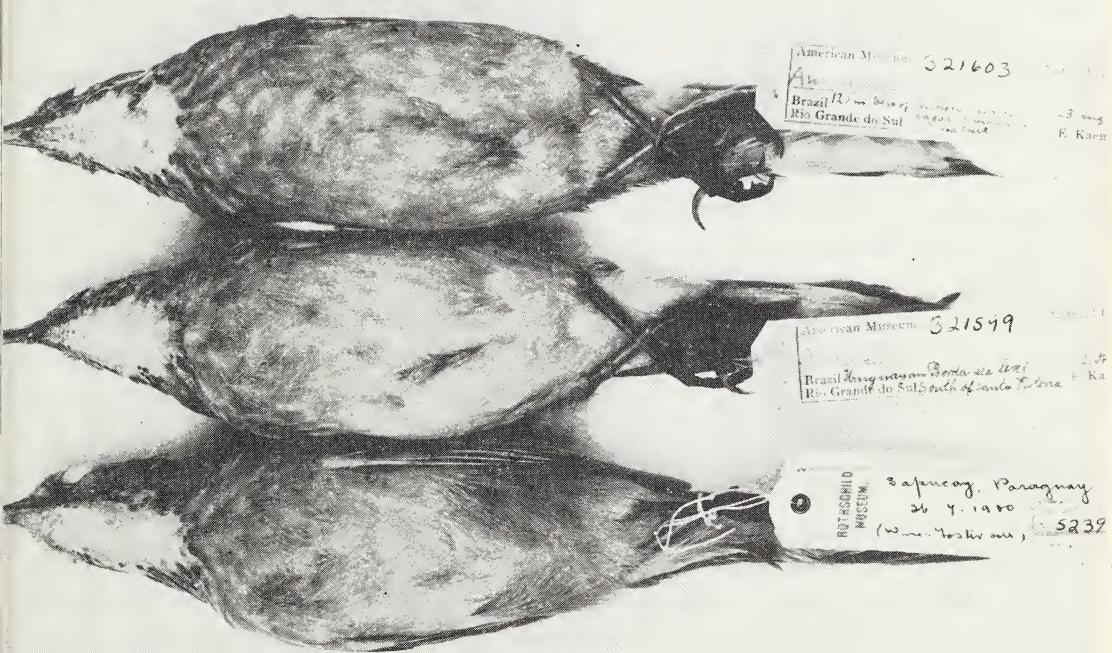
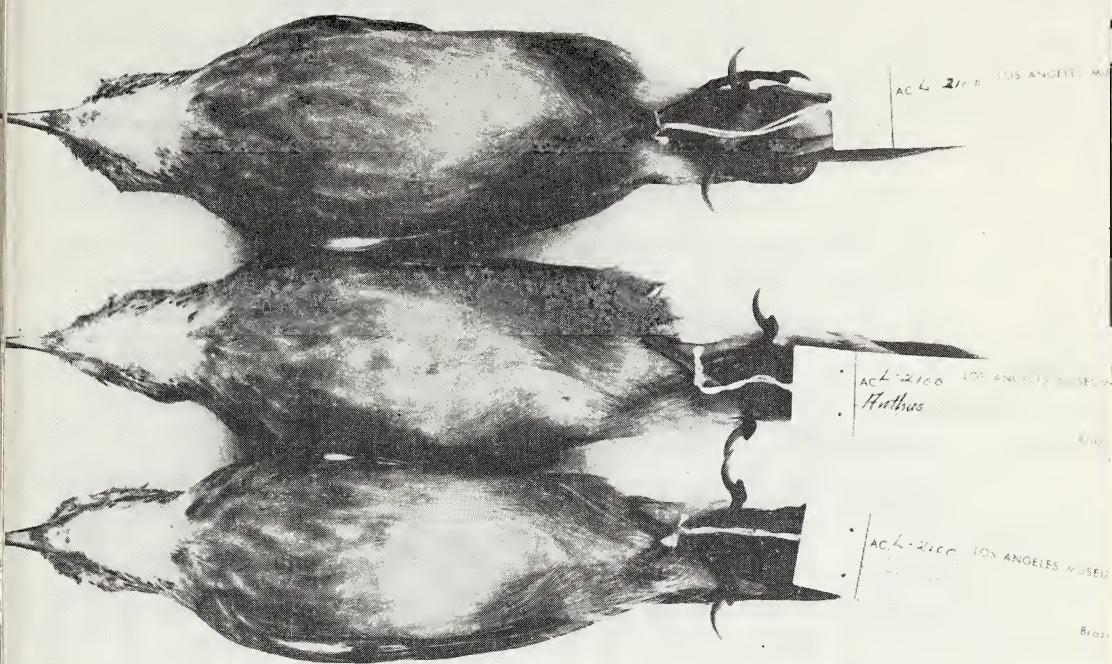
Baryphthengus ruficapillus berlai, new subspecies

TYPE: From 20 kms. north of São João da Aliança, Goiás, Brazil. No. 32483, Los Angeles County Museum. Adult male collected April, 30, 1956, by Kenneth E. Stager (KES 15822). Holotype to be deposited in the Museu Nacional do Brasil. Paratypes (8) in the Los Angeles County Museum.

DIAGNOSIS: Nearest to *Baryphthengus r. ruficapillus* of southeastern Brazil, but distinguishable by the overall more pallid tone to colors of crown, nuchal area, throat, breast and abdomen. Rufous band of lower breast wider and paler than in specimens from southeast Brazil.

RANGE: Known only from the Chapada dos Veadeiros and the Serra Dourada areas of the upper Rio Tocantins drainage area of Central Goiás.

Fig. 1. Ventral view of type series of *Anumbius annumbi machrissi* Stager (right) compared with three specimens of the nominate race *Anumbius a. annumbi* (Vieillot) from southern Brazil and Paraguay. Holotype third specimen from right.



DESCRIPTION OF TYPE: Crown and nape Kaiser Brown with the color extending well down upon the mantle. Back and sides of neck Kronberg's Green, shading into a deeper green on rump, wings and tail. Outer webs of primaries Jay Blue. Throat Ochraceous Buff shading into Yellowish Citrine on upper breast; lower breast with a wide (45 mm.) band of bright Tawny. Abdomen Tea Green. Central rectrices untrimmed. Specimen is in fresh, unworn plumage. Wing, 155 mm.; tail, 224 mm.; exposed culmen, 36 mm.; culmen from base, 46 mm.; tarsus, 28 mm.

REMARKS: A series of nine specimens in fresh plumage show this proposed form to be uniformly lighter in color tone, and more suffused with rufous buff than a comparative series of specimens of the nominate form from the states of São Paulo, Minas Gerais and Bahia. The form *B. r. berlai* shows very strong affinities with the coastal form, *B. r. ruficapillus*, rather than with *B. r. martii* to the northwest. It is highly doubtful that *B. r. martii* and other forms of *Baryphthengus* of northwestern South America and Central America are, in reality, conspecific with *Baryphthengus ruficapillus* of southeastern Brazil, as proposed by some authors (Peters, J. L., Checklist Birds of the World, V, 1945:224-225).

The subspecific name honors Mr. Herbert F. Berla, ornithologist of the Museu Nacional do Brasil, who assisted the author on the expedition to Goiás, Brazil.

SPECIMENS EXAMINED

B. r. ruficapillus

Brazil

São Paulo, Maresias, 2 ♂ 1 ♀ (LACM)

São Paulo, Anumbi, ♂ (LACM)

São Paulo, Mun. de Iguape, ♂ (LACM)

Minas Gerais, 41 kms. no. of Raul Soares, ♀ (LACM)

Bahia, Cajareiras, 4 ♂ 2 ♀ (AMNH)

Rio Grande do Sul, Lagoa da Forma, 2 ♀ (AMNH)

B. r. berlai

Brazil (LACM) Holotype and 8 paratypes.

Goiás, 20 kms. no. of São João da Aliança, 3 ♂ 2 ♀

♂ Paratype (LACM 32481)

♀ Paratype (LACM 32482)

♂ Holotype (LACM 32483)

♀ Paratype (LACM 32484)

♂ Paratype (LACM 32485)

Goiás, 24 kms. so. e. of Formoso, Serra Dourada, 4 ♀

♀ Paratype (LACM 32478)

♀ Paratype (LACM 32479)

♀ Paratype (LACM 32480)

♀ Paratype (LACM 32486)



Fig. 2. Dorsal view of type series of *Anumbius annumbi machrisi* Stager (right) compared with three specimens of the nominate race *Anumbius a. annumbi* (Vieillot) from southern Brazil and Paraguay. Holotype third specimen from right.

